United Nations ST/SG/SER.E/834

Secretariat

Distr.: General
28 February 2018
English
Original: Russian

Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 26 January 2018 from the Permanent Mission of the Russian Federation to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit registration data on space launches by the Russian Federation for November and December 2017 and also on the space objects that ceased to exist during that period (see annexes I and II).

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Annex I

Registration data on space launches by the Russian Federation in November 2017*

1. In November 2017, the Russian Federation did not launch any space objects included, in accordance with established practice and its international obligations, in the register of space objects launched by the Russian Federation and over which it has control.

2. In November 2017, the Russian Federation did not launch any space objects on behalf of foreign clients.

3. The following space object ceased to exist in November 2017 and was no longer in Earth orbit as at 2400 hours Moscow time on 30 November 2017:

1975-105A (Molniya-3): burned up on 19 November 2017.

* The registration data are reproduced in the form in which they were received.

Annex II

Registration data on space launches by the Russian Federation in December 2017*

1. In December 2017, the following space objects under the jurisdiction and control of the Russian Federation were launched:

			Basic orbital characteristics				
Number	*Name of space object*	*Date of launch*	*Apogee (km)*	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	*General function of space object*
3485-2017-015	Cosmos-2524, launched by a Soyuz-2-1b carrier rocket from the Plesetsk launch site	2 December 2017	924.2	250.0	67.2	96.1	Space object intended for assignments on behalf of the Ministry of Defence of the Russian Federation
3486-2017-016	Soyuz MS-07, launched by a Soyuz-FG carrier rocket from the Baikonur launch site	17 December 2017	254.7	198.3	51.7	88.7	Delivery to the International Space Station of the crew of Expeditions 54 and 55, consisting of Anton Nikolaevich Shkaplerov (Russian Federation), commander of the manned transport vehicle, and flight engineers Scott Tingle (United States of America) and Norishige Kanai (Japan)

2. In December 2017, the Russian Federation launched the following space object on behalf of a foreign client:

On 26 December 2017, the telecommunications satellite AngoSat (Angola) was launched from the Baikonur launch site by a Zenit-2SB.80 carrier rocket with a Fregat-SB booster.

3. The following space object ceased to exist in December 2017 and was no longer in Earth orbit as at 2400 hours Moscow time on 31 December 2017:

2017-043A (Soyuz MS-05): descent module landed at a predetermined location with members of an International Space Station expedition on 14 December 2017;

1982-027A (Cosmos-1346): burned up on 17 December 2017;

2017-033A (Progress MS-06): deorbited into the Pacific Ocean at a predetermined location on 28 December 2017; fragments of the space object that had not burned up were sunk.

* The registration data are reproduced in the form in which they were received.

United Nations ST/SG/SER.E/835

Secretariat

Distr.: General
23 March 2018

Original: English

Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 6 February 2018 from the Permanent Mission of Germany to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Germany to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit information concerning space objects launched by Germany (see annex).

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Annex

Registration data on space objects launched by Germany*

TechnoSat

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-042E
Name of space object	TechnoSat
National designator/registration number	D-R055 42829
State of registry	Germany
Other launching States	Ecuador, Japan, Kazakhstan, Norway, Russian Federation, United States of America
Date and territory or location of launch	14 July 2017 at 0636 hours 49 seconds UTC Baikonur Cosmodrome, Kazakhstan
Basic orbital parameters	
Nodal period	96.54 minutes
Inclination	97.61 degrees
Apogee	600.1 kilometres
Perigee	599.9 kilometres
General functions of space object	The primary objective of the TechnoSat mission is the demonstration and verification of newly designed components and subsystems for nanosatellites. The secondary objective is the design and operation of the adaptive and reusable nanosatellite platform TUBiX20.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Website	www.raumfahrttechnik.tu-berlin.de/menue/forschung/aktuelle_projekte/technosat/parameter/en/
Space object owner or operator	Technical University Berlin
Launch vehicle	Soyuz 2.1

* The information was submitted using the form prepared pursuant to General Assembly resolution 62/101 and has been reformatted by the Secretariat.

Flying Laptop

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2017-042G
Name of space object	Flying Laptop
National designator/registration number	D-R056
State of registry	Germany
Other launching States	Ecuador, Japan, Kazakhstan, Norway, Russian Federation, United States of America
Date and territory or location of launch	14 July 2017 at 0636 hours 49 seconds UTC Baikonur Cosmodrome, Kazakhstan
Basic orbital parameters	
Nodal period	96.6 minutes
Inclination	97.61 degrees
Apogee	610 kilometres
Perigee	590 kilometres
General functions of space object	In-orbit verification of new technologies, scientific Earth observation and detection of near-Earth objects
Date of decay/re-entry/deorbit	Expected no later than 2041

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Website	www.irs.uni-stuttgart.de/archiv/veranstaltungsarchiv/flyinglaptop.html
Space object owner or operator	Institute of Space Systems, University of Stuttgart
Launch vehicle	Soyuz 2.1